CLAIM AMENDMENTS

1	1.	(Currently Amended) A method for managing a communications arrangement
2		comprising a plurality of participants, the method comprising the
3		computer-implemented steps of:
4		assigning, to a first participant from the plurality of participants, one or more
5		functions to be performed by the first participant;
6		prior to a failure of the first participant that prevents the first participant from
7		performing any of the one or more functions to be performed by the first
8		participant,
9		designating a second participant from the plurality of participants to
10		perform the one or more functions if any of one or more handoff
11		criteria are satisfied;
12		the first participant communicating with the second participant to indicate
13		that the second participant has been designated to perform the one
14		or more functions if any of the one or more handoff criteria are
15		satisfied;
16		in response to any of the one or more handoff criteria being satisfied, assigning
17		the one or more functions to the second participant; and
18		selecting, based upon performance of a plurality of communications channels and
19		at least one performance criterion, a first communications channel from
20		the <u>a plurality</u> of communications channels.
1	2.	(Currently Amended) The method of Claim 1, further comprising the computer-
2		implemented steps of:
3		generating channel identification data that identifies the first communications
4		channel; and
5		providing the channel identification data over the first communications channel to
6		one or more participants from the plurality of participants; and

7 receiving at least a first communication from the one or more participants over a 8 second communications channel from the plurality of communications 9 channels, wherein the second communications channel is determined based on the channel identification data. 10 1 3. (Cancelled) 1 4. (Currently Amended) A method for managing, based on performance, a 2 communications arrangement comprising a plurality of participants, the method 3 comprising the computer-implemented steps of: selecting, based upon performance of a plurality of communications channels, a 4 5 first communications channel from the plurality of communications 6 channels; 7 generating channel identification data that identifies the first communications 8 channel; 9 providing the channel identification data to one or more participants from the 10 plurality of participants; receiving at least a first communication from the one or more participants over a 11 12 second the first communications channel from the plurality of 13 communications channels, wherein the second first communications 14 channel is determined based on the channel identification data; 15 assigning, to a first participant from the plurality of participants, one or more 16 functions to be performed by the first participant; 17 prior to a failure of the first participant, designating a second participant from the 18 plurality of participants to perform the one or more functions if any of one or more handoff criteria are satisfied; and 19 20 wherein the plurality of communications channels correspond to a set of 21 frequencies and the first communication received from the one or more 22 participants is based on a hopping sequence among at least two 23 communications channels of the plurality of communications channels, 24 according to a frequency hopping protocol.

25	5.	(Currently Amended) A method for assigning functions between participants and
26		selecting communications channels in a communications arrangement comprising
27		a plurality of participants, the method comprising the computer-implemented
28		steps of:
29		assigning, to a first participant from the plurality of participants, one or more
30		functions to be performed by the first participant;
31		prior to a failure of the first participant that prevents the first participant from
32		performing any of the one or more functions to be performed by the first
33		participant,
34		designating a second participant from the plurality of participants to
35		perform the one or more functions if any of one or more criteria are
36		satisfied;
37		the first participant communicating with the second participant to indicate
38		that the second participant has been designated to perform the one
39		or more functions if any of the one or more handoff criteria are
40		satisfied;
41		in response to any of the one or more criteria being satisfied, assigning the one or
42		more functions to the second participant;
43		selecting, based upon performance of a plurality of communications channels and
14		at least one specified criterion, a first communications channel from the
45		plurality of communications channels;
46		generating channel identification data that identifies the first communications
1 7		channel;
48		providing the channel identification data to one or more participants from the
49		plurality of participants; and
50		receiving at least a first communication from the one or more participants over a
51		second communications channel from the plurality of communications
52		channels, wherein the second communications channel is determined
53		based on the channel identification data that identifies the first
54		communications channel; and

55		wherein the plurality of communications channels correspond to a set of
56		frequencies and the first communication received from the one or more
57		participants is based on a hopping sequence among at least two
58		communications channels of the plurality of communications channels,
59		according to a frequency hopping protocol.
1	6.	(Currently Amended) The method as recited in of Claim 5, wherein:
2		communications between the plurality of participants are made on different
3		frequencies over time using a frequency hopping sequence according to a
4		frequency hopping protocol;
5		the communications arrangement includes a wireless communications
6		arrangement; and
7		the plurality of participants includes a plurality of mobile devices.
1	7.	(Cancelled)
1	8.	(Currently Amended) The method of Claim 5, wherein the channel identification
1 2	8.	(Currently Amended) The method of Claim 5, wherein the channel identification data is first channel identification data, and wherein the method further comprises
	8.	
2	8.	data is first channel identification data, and wherein the method further comprises
2	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of:
2 3 4	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of: selecting, based upon the performance of the plurality of communications
2 3 4 5	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of: selecting, based upon the performance of the plurality of communications channels and the at least one specified criterion, a third communications
2 3 4 5 6	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of: selecting, based upon the performance of the plurality of communications channels and the at least one specified criterion, a third communications channel from the plurality of communications channels;
2 3 4 5 6 7	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of: selecting, based upon the performance of the plurality of communications channels and the at least one specified criterion, a third communications channel from the plurality of communications channels; generating second channel identification data that identifies the third
2 3 4 5 6 7 8	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of: selecting, based upon the performance of the plurality of communications channels and the at least one specified criterion, a third communications channel from the plurality of communications channels; generating second channel identification data that identifies the third communications channel;
2 3 4 5 6 7 8	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of: selecting, based upon the performance of the plurality of communications channels and the at least one specified criterion, a third communications channel from the plurality of communications channels; generating second channel identification data that identifies the third communications channel; providing the second channel identification data over a particular communications
2 3 4 5 6 7 8 9	8.	data is first channel identification data, and wherein the method further comprises the computer-implemented steps of: selecting, based upon the performance of the plurality of communications channels and the at least one specified criterion, a third communications channel from the plurality of communications channels; generating second channel identification data that identifies the third communications channel; providing the second channel identification data over a particular communications channel of the plurality of communications channels to one or more

4		receiving at least a second communication from the one or more additional
5		participants over a fourth communications channel from the plurality of
6		communications channels, wherein the fourth communications channel is
7		determined based on the second channel identification data that identifies
8		the third communications channel.
1	9.	(Currently Amended) The method of Claim 5, wherein the computer-
2		implemented step of providing the channel identification data to the one or more
3		participants further comprises the computer-implemented steps of:
4		providing the channel identification data to the one or more participants over a
5		third communications channel of the plurality of communications
6		channels, wherein the third communications channel is not the first
7		communications channel;
8		determining the performance of the plurality of communications channels used by
9		the plurality of participants; and
0		wherein at least the first communication from the one or more participants
1		includes data that indicates the performance of the third communications
12		channel.
1	10.	(Currently Amended) The method of Claim 9, wherein: at least the first
2		communication from the one or more participants includes data that indicates the
3		performance of the third communications channel
4		the performance of the plurality of communications channels is determined based
5		on a channel performance testing technique selected from the group
6		consisting of a received signal strength indicator, a header error check, a
7		cyclic redundancy check, and forward error correction;
8		the first communications device is a master participant;
9		the second communications device is an associate master participant; and
0		the one or more communications devices are slave participants.

1	11.	(Currently Amended) The method of Claim 5, wherein the <u>computer-implemented</u>
2		step of selecting the first communications channel from the plurality of
3		communications channels <u>further</u> comprises the computer-implemented steps of:
4		classifying one or more communications channels of the plurality of
5		communications channels based upon whether the performance of the one
6		or more communications channels satisfies at least one performance
7		criterion; and
8		selecting the first communications channel from the one or more communications
9		channels that are classified as satisfying the at least one performance
10		criterion; and
11		the method further comprises the computer-implemented steps of:
12		determining a number of communications channels of the plurality of
13		communications channels that satisfy the at least one performance
14		criterion; and
15		if the number of communications channels that satisfy the at least one
16		performance criterion is less than a specified number, reclassifying one or
17		more communications channels of the plurality of communications
18		channels.
1	12.	(Cancelled)
1	13.	(Currently Amended) The method of Claim 5, further comprising the
2	13.	computer-implemented steps of:
3		determining the performance of the plurality of communications channels by
4		performing the computer-implemented steps of:
5		
		sending a request for performance data to at least one participant of the
6		plurality of participants;
7		in response to the request, receiving performance data from the at least one
8		participant; and

9		creating and maintaining performance data that indicates the performance
10		of one or more communications channels of the plurality of
i i		communications channels for communications with one or more
12		participants from the plurality of participants.
1	14.	(Cancelled)
1	15.	(Cancelled)
1	16.	(Cancelled)
1	17.	(Currently Amended) The method as recited in of Claim 5, wherein:
2		the one or more criteria include the failure of the first participant;
3		the first participant is a master participant that performs the steps of selecting,
4		generating, providing, and receiving,
5		the second participant is a slave participant prior to being assigned to perform the
6		one or more functions,
7		the second participant is an associate master participant after being designated to
8		perform the one or more functions if any of the one or more criteria are
9		satisfied, and
0		the one or more participants include one or more slave participants.
1	18.	(Cancelled)
1	19.	(Currently Amended) The method of Claim 5, wherein:
2		the one or more participants includes the second participant; and
3		the second participant is designated by at least one other participant that is
4		selected from the group comprising (a) the first participant, (b) the first
5		participant and at least one other participant from the plurality of
6		participants, and (c) one or more participants from the plurality of
7		participants but not including the first participant.

1	20.	(Cancelled)
1	21.	(Cancelled)
1	22.	(Currently Amended) A method for managing a communications system
2		comprising a plurality of participants, comprising the computer-implemented
3		steps of:
4		determining the performance of a first communications channel of a plurality of
5		communications channels between a first participant from the plurality of
6		participants and one or more other participants from the plurality of
7		participants; and
8		selecting, based upon the performance of the first communications channel
9		between the first participant and the one or more other participants, a
10		second participant from the one or more other participants;
11		sending at least a first communication from the second participant over the first
12		communications channel;
13		assigning, to a third participant from the plurality of participants, one or more
14		functions to be performed by the third participant; and
15		designating a fourth participant from the plurality of participants to perform the one of
16		more functions if any of one or more handoff criteria are satisfied; and
17		wherein the plurality of communications channels correspond to a set of
18		frequencies and the first communication received from the first participant
19		is based on a hopping sequence among at least two communications
20		channels of the plurality of communications channels, according to a
21		frequency hopping protocol.
1	23.	(Currently Amended) The method of Claim 22, further comprising the computer-
2		implemented step of:
3		in response to any of the one or more handoff criteria being satisfied, assigning
4		the one or more functions to the fourth participant:

5		wherein the one or more participants includes the fourth participant; and
6		wherein the first participant is the same participant as the third participant.
1	24.	(Currently Amended) The method of Claim 22, wherein the computer-
2	-	implemented step of designating the fourth participant is performed prior to a
3		condition of the third participant that prevents the third participant from
4		performing the one or more functions.
4		performing the one of more functions.
1	25.	(Currently Amended) The method of Claim 22, wherein the computer-
2		implemented step of designating the fourth participant is performed prior to a
3		failure of the third participant.
1	26.	(Cancelled)
1	27.	(Cancelled)
1	28.	(Currently Amended) A first communications device comprising:
2		an interface that is configured to receive data from a plurality of communications
3		devices and to transmit data to the plurality of communications devices;
4		and
5		a mechanism that is communicatively coupled to the interface and configured to:
6		perform one or more functions;
7		prior to a failure of the communications device that prevents the
8		communications device from performing any of the one or more
9		functions,
10		designate a second communications device from the plurality of
11		communications devices to perform the one or more
12		functions if any of a set of criteria are satisfied;
13		communicate with the second communications device to indicate
14		that the second communications device has been designated
15		to perform the one or more functions if any of the one or
16		more handoff criteria are satisfied;

17		select, based upon performance of a plurality of communications channels,
18		a first communications channel from the plurality of
19		communications channels;
20		generate first channel identification data that identifies the first
21		communications channel;
22		provide the first channel identification data to one or more
23		communications devices from the plurality of communications
24		devices; and
25		receive at least a first communication from the one or more communications
26		devices over a second communications channel from the plurality of
27		communications channels, wherein the second communications
28		channel is determined based on the first channel identification data that
29		identifies the first communications channel; and
30		wherein the plurality of communications channels correspond to a set of
31		frequencies and the first communication received from the one or more
32		communications devices is based on a hopping sequence among at least
33		two communications channels of the plurality of communications
34		channels, according to a frequency hopping protocol.
1	29.	(Currently Amended) The first communications device as recited in of Claim 28,
2		wherein:
3		communications between the plurality of communications devices are made using a
4		frequency hopping sequence according to a frequency hopping protocol; and
5		the first communications device, the second communications device, and the one or
6		more communications devices are wireless communications devices; and
7		the plurality of communications devices includes a plurality of wireless mobile
8		communications devices.
1	30.	(Cancelled)
1	31.	(Cancelled)

· 1	32.	(Currently Amended) The first communications device of Claim 28, wherein the
2		mechanism is further configured to:
3		select, based upon the performance of the plurality of communications channels
4		and at least one performance criterion, a third communications channel
5		from the plurality of communications channels;
6		generate second channel identification data that identifies the third communications
7		channel;
8		provide the second channel identification data over a particular communications
9		channel of the plurality of communications channels to one or more additional
10		communications devices from the plurality of communications devices,
11		wherein the particular communications channel is not the third
12		communications channel; and
13		receive at least a second communication from the one or more additional
14		communications devices over a fourth communications channel from the
15		plurality of communications channels, wherein the fourth communications
16		channel is determined based on the second channel identification data that
17		identifies the third communications channel.
1	33.	(Currently Amended) The first communications device of Claim 28, wherein the
2		mechanism is further configured to:
3		provide the channel identification data to the one or more communications
4		devices over a specified communications channel of the plurality of
5		communications channels, wherein the specified communications channel
6		is not the first communications channel;
7		determine the performance of the plurality of communications channels used by
8		the plurality of communications devices; and
9		wherein at least the first communication from the one or more communications
10		devices includes performance data that indicates the performance of the
11		specified communications channel
1	34.	(Cancelled)

1	35.	(Cancelled)
1	36.	(Currently Amended) The first communications device of Claim 35 33, wherein:
2		the performance of the plurality of communications channels is determined based
3		on a channel performance testing technique selected from the group
4		consisting of a received signal strength indicator, a header error check, a
5		cyclic redundancy check, and forward error correction;
6		the first communications device is a master participant;
7		the second communications device is an associate master participant; and
8		the one or more communications devices are slave participants.
1	37.	(Currently Amended) The first communications device of Claim 28, wherein the
2		mechanism is further configured to:
3		classify one or more communications channels of the plurality of communications
4		channels based upon whether the performance of the one or more
5		communications channels satisfies at least one performance criterion; and
6		select the first communications channel from the one or more communications
7		channels that are classified as satisfying the at least one performance
8		criterion;
9		determine a number of communications channels of the plurality of
10		communications channels that satisfy the at least one performance
11		criterion; and
12		if the number of communications channels that satisfy the at least one
13		performance criterion is less than a specified number, reclassify one or
14		more communications channels of the plurality of communications
15		channels.

1	38.	(Currently Amended) A computer-readable storage medium carrying one or more
2		sequences of instructions for managing a communications arrangement
3		comprising a plurality of participants, wherein execution of the one or more
4		sequences of instructions by one or more processors causes the one or more
5		processors to perform the steps of:
6		assigning, to a first participant from the plurality of participants, one or more
7		functions to be performed by the first participant;
8		prior to a failure of the first participant that prevents the first participant from
9		performing any of the one or more functions to be performed by the first
10		participant,
11		designating a second participant from the plurality of participants to
12		perform the one or more functions if any of one or more handoff
13		criteria are satisfied;
14		the first participant communicating with the second participant to indicate
15		that the second participant has been designated to perform the one
16		or more functions if any of the one or more handoff criteria are
17		satisfied;
18	•	in response to any of the one or more handoff criteria being satisfied, assigning
19		the one or more functions to the second participant; and
20		selecting, based upon performance of a plurality of communications channels and
21		at least one performance criterion, a first communications channel from
22		the a plurality of communications channels.
1	39.	(Currently Amended) The computer-readable storage medium of Claim 38,
2		further comprising instructions which, when executed by the one or more
3		processors, cause the one or more processors to carry out the steps of:
4		generating channel identification data that identifies the first communications
5		channel; and
6		providing the channel identification data over the first communications channel to
7		one or more participants from the plurality of participants; and

receiving at least a first communication from the one or more participants over a 8 9 second communications channel from the plurality of communications 10 channels, wherein the second communications channel is determined 11 based on the channel identification data. 1 40. (Cancelled) (Currently Amended) A computer-readable storage medium carrying one or more 1 41. 2 sequences of instructions for managing, based on performance, a communications 3 arrangement comprising a plurality of participants, wherein execution of the one 4 or more sequences of instructions by one or more processors causes the one or 5 more processors to perform the steps of: 6 selecting, based upon performance of a plurality of communications channels, a 7 first communications channel from the plurality of communications 8 channels; 9 generating channel identification data that identifies the first communications 10 channel; 11 providing the channel identification data to a one or more participants from the 12 plurality of participants; 13 receiving at least a first communication from the one or more participants over a 14 second the first communications channel from the plurality of communications channels, wherein the second first communications 15 16 channel is determined based on the channel identification data: 17 assigning, to a first participant from the plurality of participants, one or more 18 functions to be performed by the first participant; 19 prior to a failure of the first participant, designating a second participant from the 20 plurality of participants to perform the one or more functions if any of one 21 or more handoff criteria are satisfied; and

22		wherein the plurality of communications channels correspond to a set of
23		frequencies and the first communication received from the one or more
24		participants is based on a hopping sequence among at least two
25		communications channels of the plurality of communications channels,
26		according to a frequency hopping protocol
1	42.	(Currently Amended) A computer-readable storage medium carrying one or more
2		sequences of instructions for assigning functions between participants and
3		selecting communications channels in a communications arrangement comprising
4		a plurality of participants, wherein execution of the one or more sequences of
5		instructions by one or more processors causes the one or more processors to
6		perform the steps of:
7		assigning, to a first participant from the plurality of participants, one or more
8		functions to be performed by the first participant;
9		prior to a failure of the first participant that prevents the first participant from
10		performing any of the one or more functions to be performed by the first
11		participant,
12		designating a second participant from the plurality of participants to
13		perform the one or more functions if any of one or more criteria are
14		satisfied;
15		the first participant communicating with the second participant to indicate
16		that the second participant has been designated to perform the one
17		or more functions if any of the one or more handoff criteria are
18		satisfied;
19		in response to any of the one or more criteria being satisfied, assigning the one or
20		more functions to the second participant;
21		selecting, based upon performance of a plurality of communications channels and
22		at least one specified criterion, a first communications channel from the
23		plurality of communications channels;
24		generating channel identification data that identifies the first communications
25		channel;

26		providing the channel identification data to a third participant from the plurality of
27		participants; and
28		receiving a first communication from the third participant over a second
29		communications channel from the plurality of communications channels,
30		wherein the second communications channel is determined based on the
31		channel identification data that identifies the first communications
32		channel; and
33		wherein the plurality of communications channels correspond to a set of
34		frequencies and the first communication received from the one or more
35		participants is based on a hopping sequence among at least two
36		communications channels of the plurality of communications channels,
37		according to a frequency hopping protocol.
1	43.	(Currently Amended) A computer-readable storage medium carrying one or more
2		sequences of instructions for managing a communications system comprising a
3		plurality of participants, wherein execution of the one or more sequences of
4		instructions by one or more processors causes the one or more processors to
5		perform the steps of:
6		determining the performance of a first communications channel of a plurality of
7		communications channels between a first participant from the plurality of
8		participants and one or more other participants from the plurality of
9		participants; and
10		selecting, based upon the performance of the first communications channel
11		between the first participant and the one or more other participants, a
12		second participant from the one or more other participants;
13		sending at least a first communication from the second participant over the first
14		communications channel;
15		assigning, to a third participant from the plurality of participants, one or more
16		functions to be performed by the third participant; and
17		designating a fourth participant from the plurality of participants to perform the one or
18		more functions if any of one or more handoff criteria are satisfied; and

19	wherein the plurality of communications channels correspond to a set of
20	frequencies and the first communication received from the first participant
21	is based on a hopping sequence among at least two communications
22	channels of the plurality of communications channels, according to a
23	frequency hopping protocol.
1	44. (New) A first communications device comprising:
2	an interface that is configured to receive data from a plurality of communications
3	devices and to transmit data to the plurality of communications devices; ar
4	a mechanism that is communicatively coupled to the interface and configured to:
5	perform one or more functions;
6	prior to a failure of the first communications device that prevents the first
7	communications device from performing any of the one or more
8	functions,
9	designating a second communications device from the plurality of
10	communications devices to perform the one or more
11	functions if any of one or more handoff criteria are
12	satisfied;
13	communicate with the second communications device to indicate
14	that the second communications device has been designated
15	to perform the one or more functions if any of the one or
16	more handoff criteria are satisfied;
17	in response to any of the one or more handoff criteria being satisfied,
18	assign the one or more functions to the second communications
19	device; and
20	select, based upon performance of a plurality of communications channels
21	and at least one performance criterion, a first communications
22	channel from a plurality of communications channels.

1	45.	(New) The first communications device of Claim 44, wherein the mechanism is
2		further configured to:
3		generate channel identification data that identifies the first communications
4		channel;
5		providing the channel identification data over the first communications channel to
6		one or more communications devices from the plurality of
7		communications devices; and
8		receive at least a first communication from the one or more communications
9		devices over a second communications channel from the plurality of
10		communications channels, wherein the second communications channel is
11		determined based on the channel identification data.
1	46.	(New) A first communications device comprising:
2		an interface that is configured to receive data from a plurality of communications
3		devices and to transmit data to the plurality of communications devices; and
4		a mechanism that is communicatively coupled to the interface and configured to:
5		select, based upon performance of a plurality of communications channels,
6		a first communications channel from the plurality of
7		communications channels;
8		generate channel identification data that identifies the first
9		communications channel;
10		provide the channel identification data to one or more communications
11		devices from the plurality of communications devices;
12		receive at least a first communication from the one or more participants
13		over the first communications channel from the plurality of
14		communications channels, wherein the first communications
15		channel is determined based on the channel identification data;
16		assign, to a second communications device from the plurality of
17		communications devices, one or more functions to be performed by
18		the first communications device;

19		prior to a failure of the first communications device, designate a second
20		communications device from the plurality of communications
21		devices to perform the one or more functions if any of one or more
22		handoff criteria are satisfied; and
23		wherein the plurality of communications channels correspond to a set of
24		frequencies and the first communication received from the one or
25		more participants is based on a hopping sequence among at least
26		two communications channels of the plurality of communications
27		channels, according to a frequency hopping protocol.
1	47.	(New) The first communications device of Claim 46, wherein:
2		the one or more communications devices includes the second communications
3		device; and
4		the second communications device is designated by at least one other communications
5		device that is selected from the group comprising (a) the first communications
6		device, (b) the first communications device and at least one other
7		communications device from the plurality of communications devices, and (c)
8		one or more communications devices from the plurality of communications
9		devices but not including the first communications device.
1	48.	(New) A first communications device comprising:
2		an interface that is configured to receive data from a plurality of communications
3		devices and to transmit data to the plurality of communications devices; and
4		a mechanism that is communicatively coupled to the interface and configured to:
5		determine the performance of a first communications channel of a plurality
6		of communications channels between the first communications
7		device and one or more other communications devices from the
8		plurality of communications devices;
9		select, based upon the performance of the first communications channel
10		between the first communications device and the one or more other
11		communications devices, a second communications device from
12		the one or more other communications devices;

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13		send at least a first communication from the second communications
14		device over the first communications channel;
15		assign, to a third communications device from the plurality of
16		communications devices, one or more functions to be performed by
17		the third communications device;
18		designating a fourth communications device from the plurality of
19		communications devices to perform the one or more functions if
20		any of one or more handoff criteria are satisfied; and
21		wherein the plurality of communications channels correspond to a set of
22		frequencies and the first communication received from the first
23		participant is based on a hopping sequence among at least two
24		communications channels of the plurality of communications
25		channels, according to a frequency hopping protocol.
1	49.	(New) The communications device of Claim 48, wherein the mechanism is
2		further configured to:
3		in response to any of the one or more handoff criteria being satisfied, assigning
4		the one or more functions to the fourth participant;
5		wherein the one or more participants includes the fourth participant; and
6		wherein the first participant is the same participant as the third participant.
1	50.	(New) The communications device of Claim 48, wherein the mechanism
2	50.	designates the fourth participant prior to a condition of the third communications
3		
		device that prevents the third communications device from performing the one or
4		more functions.

1	51.	(New) The communications device of Claim 48, wherein the mechanism
2		designates the fourth communications device prior to a failure of the third
3		communications device.
4	52.	(New) The method of Claim 4, wherein the frequency hopping protocol is
5		selected from the group consisting of (a) a frequency hopping protocol defined by
6		Institute of Electrical and Electronics Engineers 802.15.1 Wireless Personal Area
7		Network Standard, and (b) a frequency hopping protocol that conforms to a
8		Bluetooth communications standard for transmissions over a 2.4 GHz band.
1	53.	(New) The first communications device of Claim 28, wherein the mechanism is
2		further configured to:
3		determine the performance of the plurality of communications channels by
4		performing the computer-implemented steps of:
5		sending a request for performance data to at least one participant from the
6		plurality of participants;
7		in response to the request, receiving performance data from the at least one
8		participant; and
9		creating and maintaining performance data that indicates the performance
10		of one or more communications channels of the plurality of
11		communications channels for communications with one or more
12		participants from the plurality of participants.
1	54.	(New) The first communications device of Claim 28, wherein:
2		the one or more criteria include the failure of the first communications device;
3		the first communications device is a master communications device,
4		the second communications device is a slave communications device prior to
5		being assigned to perform the one or more functions,
6		the second communications device is an associate master communications device
7		after being designated to perform the one or more functions if any of the
8		one or more criteria are satisfied, and
9		the one or more participants include one or more slave communications devices.

1	55.	(New) The computer-readable storage medium of Claim 42, wherein:
2		communications between the plurality of participants are made using a frequency
3		hopping sequence according to a frequency hopping protocol;
4		the communications arrangement includes a wireless communications
5		arrangement; and
6		the plurality of participants includes a plurality of mobile devices.
1	56.	(New) The computer-readable storage medium of Claim 42, wherein the channel
2		identification data is first channel identification data, and wherein the computer-
3		readable storage medium further comprises one or more sequences of instructions
4		which, when executed by the one or more processors, causes the one or more
5		processors to perform the steps of:
6		selecting, based upon the performance of the plurality of communications
7		channels and the at least one specified criterion, a third communications
8		channel from the plurality of communications channels;
9		generating second channel identification data that identifies the third
10		communications channel;
11		providing the second channel identification data over a particular communications
12		channel of the plurality of communications channels to one or more
13		additional participants from the plurality of participants, wherein the
14		particular communications channel is not the third communications
15		channel; and
16		receiving at least a second communication from the one or more additional
17		participants over a fourth communications channel from the plurality of
18		communications channels, wherein the fourth communications channel is
19		determined based on the second channel identification data that identifies
20		the third communications channel.

(New) The computer-readable storage medium of Claim 42, wherein the 1 57. 2 instructions for providing the channel identification data to the one or more 3 participants further comprises one or more sequences of instructions which, when 4 executed by the one or more processors, causes the one or more processors to 5 perform the steps of: providing the channel identification data to the one or more participants over a 6 7 third communications channel of the plurality of communications channels, wherein the third communications channel is not the first 8 9 communications channel; determining the performance of the plurality of communications channels used by 10 11 the plurality of participants; and wherein at least the first communication from the one or more participants 12 13 includes data that indicates the performance of the third communications 14 channel. 1 58. (New) The computer-readable storage medium of Claim 57, wherein: 2 the performance of the plurality of communications channels is determined based 3 on a channel performance testing technique selected from the group consisting of a received signal strength indicator, a header error check, a 4 cyclic redundancy check, and forward error correction; 5 the first communications device is a master participant; 6 7 the second communications device is an associate master participant; and 8 the one or more communications devices are slave participants. 59. (New) The computer-readable storage medium of Claim 42, wherein the 1 2 instructions for selecting the first communications channel from the plurality of 3 communications channels further comprises one or more sequences of instructions 4 which, when executed by the one or more processors, causes the one or more 5 processors to perform the steps of:

0	classifying one or more communications channels of the plurality of
7	communications channels based upon whether the performance of the one
8	or more communications channels satisfies at least one performance
9	criterion;
0	selecting the first communications channel from the one or more communications
1	channels that are classified as satisfying the at least one performance
2	criterion; and
3	the method further comprises the computer-implemented steps of:
14	determining a number of communications channels of the plurality of
15	communications channels that satisfy the at least one performance
16	criterion; and
17	if the number of communications channels that satisfy the at least one
8	performance criterion is less than a specified number, reclassifying one or
18 19	more communications channels of the plurality of communications
19	more communications channels of the plurality of communications
19 20	more communications channels of the plurality of communications channels.
19 20	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising
19 20 1 2	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more
19 20 1 2	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of:
19 20 1 2 3 4	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of: determining the performance of the plurality of communications channels by
19 20 1 2 3 4 5	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of: determining the performance of the plurality of communications channels by performing the computer-implemented steps of:
19 20 1 2 3 4 5	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of: determining the performance of the plurality of communications channels by performing the computer-implemented steps of: sending a request for performance data to at least one participant from the
19 20 1 2 3 4 5 6 7	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of: determining the performance of the plurality of communications channels by performing the computer-implemented steps of: sending a request for performance data to at least one participant from the plurality of participants;
19 20 1 2 3 4 5 6 7 8	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of: determining the performance of the plurality of communications channels by performing the computer-implemented steps of: sending a request for performance data to at least one participant from the plurality of participants; in response to the request, receiving performance data from the at least one
19 20 1 2 3 4 5 6 7 8 9	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of: determining the performance of the plurality of communications channels by performing the computer-implemented steps of: sending a request for performance data to at least one participant from the plurality of participants; in response to the request, receiving performance data from the at least one participant; and
19 20 1 2 3 4 5 6 7 8 9	more communications channels of the plurality of communications channels. (New) The computer-readable storage medium of Claim 42, further comprising one or more sequences of instructions which, when executed by the one or more processors, causes the one or more processors to perform the steps of: determining the performance of the plurality of communications channels by performing the computer-implemented steps of: sending a request for performance data to at least one participant from the plurality of participants; in response to the request, receiving performance data from the at least one participant; and creating and maintaining performance data that indicates the performance

1	61.	(New) The computer-readable storage medium of Claim 42, wherein:
2		the one or more criteria include the failure of the first participant;
3		the first participant is a master participant that performs the steps of selecting,
4		generating, providing, and receiving,
5		the second participant is a slave participant prior to being assigned to perform the
6		one or more functions,
7		the second participant is an associate master participant after being designated to
8		perform the one or more functions if any of the one or more criteria are
9		satisfied, and
10		the one or more participants include one or more slave participants.
1	62.	(New) The computer-readable storage medium of Claim 42, wherein:
2		the one or more participants includes the second participant; and
3		the second participant is designated by at least one other participant that is
4		selected from the group comprising (a) the first participant, (b) the first
5		participant and at least one other participant from the plurality of
6		participants, and (c) one or more participants from the plurality of
7		participants but not including the first participant.
1	63.	(New) The computer-readable storage medium of Claim 41, wherein the
2		frequency hopping protocol is selected from the group consisting of (a) a
3		frequency hopping protocol defined by Institute of Electrical and Electronics
4		Engineers 802.15.1 Wireless Personal Area Network Standard, and (b) a
5		frequency hopping protocol that conforms to a Bluetooth communications
6		standard for transmissions over a 2.4 GHz band.
1	64.	(New) The computer-readable storage medium of Claim 43, further comprising
2		one or more sequences of instructions which, when executed by the one or more
3		processors, causes the one or more processors to perform the steps of:
4		in response to any of the one or more handoff criteria being satisfied, assigning
5		the one or more functions to the fourth participant;
6		wherein the one or more participants includes the fourth participant; and

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7 wherein the first participant is the same participant as the third participant. 1 65. (New) The computer-readable storage medium of Claim 43, wherein the step of 2 designating the fourth participant is performed prior to a condition of the third 3 participant that prevents the third participant from performing the one or more functions. 4 1 (New) The computer-readable storage medium of Claim 43, wherein the step of 66. 2 designating the fourth participant is performed prior to a failure of the third 3 participant.